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7-21-59

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IVANOV, Aleksandr Pavlovich; OBORIN, Arkadiy Ivanovich; REZNITSKIY, L.M., kandidat tekhnicheskikh nauk, redaktor; KAPLANSKIY, Ye.F., redaktor; SOKOLOVA, L.V., tekhnicheskiy redaktor

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[Anodic-mechanical polishing of metals in repair works] Anodno-mekhanicheskoe shlifovanie metallov v remontnom proizvodstve. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1955. 86 p.
(Metals--Finishing)

KOSMACHEV, Ivan Georgiyevich; REZNITSKIY, L.M., kandidat tekhnicheskikh nauk, redaktor; LEYKINA, T.L., radaktor; SOKOLOVA, L.V., tekhnicheskiy redaktor.

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Reznitskiy, L. Ya.

137-1958-3-5036

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 83 (USSR)

AUTHOR: Reznitskiy, L. Ya.

TITLE: Specifications for Rolled Profiles for Shipbuilding Purposes (Trebovaniya k profilyam prokata dlya nuzhd sudostroyeniya)

PERIODICAL: V sb.: Ratsionalizatsiya profiley prokata. Moscow, Profizdat, 1956, pp 180-181

ABSTRACT: It is pointed out that the bulb in the bulb-strips must be made symmetrical with respect to the wall. It is also recommended that the assortment of angle brackets with unequal sides be expanded, and that the T-brackets, bulb strips, and angle brackets be manufactured with beveled edges so as to be ready for welding. Structural steel currently available exhibits a greater σ_s than is specified in the GOST; it is therefore necessary to correct the GOST.

V. F.

Card 1/1

REZNITSKIY, L. Ya.

124-11-13335

Translation from: Referativnyy Zhurnal, Mekhanika, 1957, Nr 11, p 147 (USSR)

AUTHOR: Barg, O. Ya.

TITLE: The Stability of a Regular Grid Framework.
(Ustoychivost' regulyarnogo perekrytiya.)

PERIODICAL: Prikl. mekhanika, 1956, 2.Nr 4, pp 404-408 (Ukrainian).

ABSTRACT: The paper examines the stability of grid frameworks consisting of a large number of beams in two directions, which support a deck surface. The problem is described by the deflection equation of a structurally orthotropic plate.

A fuller investigation of the subject problem was published by L. Ya. Reznitskiy (An Approximate Method for the Calculation of the Stability of Grid Frameworks with Due Consideration of the Resistance of the Beams to Torsion and the Influence of General Deflection. Tr. VNITOSS. Sudpromgiz., 1948, 5. Nr 4.)

A. A. Kudryumov

Card 1/1

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KHOMYAKOV, K.G.; KHOLLER, V.A.; MOISEYEVA, Ye.P.; REZNITSKIY, L.A.; LEVITIN, I.Ya.

Cadmium - magnesium alloys. Report No.2: The real thermal capacity of cadmium - magnesium alloys approaching the chemical compound Mg_3Cd by their composition. Vest.Mosk.un. 12 no.1:123-130 '57. (MLRA 10:8)

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Accessory pancreas. Vest. khir. Grekova, Leningr. 72 no.2:54-55
Mar-Apr 1952, (CIML 22:2)

1. Of Surgical Clinic (Head -- Prof. G. M. Gurevich), Khar'kov Stomatological Institute (Director -- P. V. Vlasenko), located at 20th Khar'kov Municipal Hospital (Head Physician -- Honored Physician M. Ya. Sukharev).

REZNITSKAYA, T.V.

Microdetermination of sulfur in organic compounds. Zav.lab.
31 no.4:422 '65. (MIRA 18:12)

1. Nauchno-issledovatel'skiy institut organicheskikh
poluproduktov i krasiteley.

PROCESSES AND PROPERTIES INDEX

7

Analysis of commercial 5-sulfoanthranilic acid. T. V. Reznitskaya. *Org. Chem. Ind.* (U. S. S. R.) **6**, 666-70 (1939).—It is tentatively reported that 5-sulfoanthranilic acid can be detd. by decompg. it with $KBrO_3$ in dil. HCl to $2,4,6\text{-}Br_3C_6H_2NH_2$ and titrating the liberated H_2SO_4 in the filtrate with $BaCl_2$ by the method of Shcherbachev and Bashkirova (*C. A.* **28**, 5370^4). The contaminating anthranilic acid is detd. by quant. extn. with ether and titrating the evapd. residue in dil. HCl with 0.1 *N* $NaNO_2$.

Chas. Blanc

A S M - S L A METALLURGICAL LITERATURE CLASSIFICATION

REZ'NITSKAYA, V. N.

5

4E4j

Kinetics of reaction between sulfur dioxide and nitrogen oxides in sulfuric acid. I. N. Kuz'minykh and V. N. Reznitskaya. *Trudy Moskov. Khim.-Tekhnol. Inst. im. D. I. Mendeleeva* 1956, No. 22, 217-23.—From the rate of homogeneous reaction, $SO_2 + N_2O_3 + nH_2O \rightarrow H_2SO_4 + (n-1)H_2O + 2NO$ in 75.3-83.9% H_2SO_4 medium, the kinetics of the process was expressed by the equation for a bimol. reaction: $-d[N_2O_3]/dt = k[N_2O_3][SO_2]$. At temps. 43° to 105° a change in the concn. of H_2SO_4 from 76% to 80% decreased the rate of reaction (k) approx. by 2. With higher H_2SO_4 content the k sharply decreased and the reaction practically ceased at 84% H_2SO_4. The time required to denitrate 76% H_2SO_4 at 100° having various ratios of N_2O_3:SO_2 (1:1, 1:1.5, 1:2) was 5 min.; i.e., for a system with 10 ton H_2SO_4/hr. capacity, the capacity of reactor-denitrator would be 0.67 cu. m. Diagram of app. and denitrator and a brief discussion of automatization of this process are presented.

A. P. Kotloby

MT 1/1

REZNITSKAYA, V. N.

4E4j

Rate of reaction between nitrogen oxides and ammonium sulfate in 76% sulfuric acid. I. N. Kuz'minykh and V. N. Reznitskaya. *Trudy Moskov. Khim.-Tekhnol. Inst. im. D. I. Mendeleeva* 1956, No. 22, 224-6.—The rate of reaction, $N_2O_3 + (NH_4)_2SO_4 \rightarrow 3N_2 + H_2SO_4 + 3H_2O$ in 76% H_2SO_4 medium, was measured in the interval 90-133°, with the initial concn. of N_2O_3 from 0.25% to 0.40% and molar ratio of $(NH_4)_2SO_4:N_2O_3$ varied from 0.75 to 3. With every 10° rise in temp., the rate of reaction approximately doubled and was also proportional to the concn. of the reducing agent. The use of the reaction in denitration of crude H_2SO_4 was discussed briefly. A. P. Kotloby

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SO: U-3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 3, 1949).

REZNITSKAYA, Ye.Ya., prof. (Ordzhonikidze)

Androgen therapy in peptic ulcer. Kaz. med. zhur. no.6:42-44 N-D '60. (MIRA 13:12)

(PEPTIC ULCER) (ANDROGENS)

REZNITSKIY, G.

Reducing time consumed in the production of new articles.
Sots. trud 6 no.3:110-112 Mr '61. (MIRA 14:3)

1. Glavnyy tekhnolog Leningradskogo stankostroitel'nogo zavoda imeni Il'icha.
(Leningrad—Machine-tool industry—Labor productivity)

REZNITSKAYA, Ye.Ya., professor (Kaluga)

Lipoido-amyloid nephrosis and juvenile diabetes mellitus. Probl. endokr. i gorm. 1 no.4:100-102 Jl-Ag '55. (MLRA 8:10)
(NEPHROSIS,
lipoido-amyloid, in diabetes mellitus in adolescent)
(DIABETES MELLITUS, COMPLICATIONS,
nephrosis, lipoido-amyloid, in adolescent)

[illegible], [illegible].

Reznitskaya, [illegible]. Ya., "The clinical properties of diabetes in children and youth and its treatment with modern Soviet methods", Trudy Astrakh. gos. med. in-ta, Vol. IX, 1948, p. 143-47.

SO: U-3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 8, 1949).

S/189/60/000/006/003/004
B130/B229

AUTHORS: Reznitskiy, L. A., Khomyakov, K. G.

TITLE: Calorimetric determination of the heat of formation of ferrites. V. Heat of formation of manganese ferrite

PERIODICAL: Vestnik Moskovskogo universiteta. Seriya 2, khimiya, no. 6, 1960, 24-25

TEXT: The heat of formation of manganese ferrite from oxides was calculated from the difference in the heats of solution between mixtures of manganese and iron oxides with a mixture of sulfuric and phosphoric acids at 140°C, on the one hand, and of ferrite mixed with the same acids, on the other. The manganese ferrite was produced at 1100°C in nitrogen from a potassium magnesium sulfate of the composition $1/3\ MnSO_4 \cdot 2/8\ FeSO_4 \cdot (NH_4)_2\ SO_4 \cdot 6\ H_2O$ by thermal decomposition. MnO was produced by a reduction of Mn_3O_4 with hydrogen at 700°C, Fe_2O_3 by decomposition of Mohr's Salt at 800°C. The heat of reaction of the oxide mixtures amounts to $\Delta H = -77.7 \pm 0.5$ kcal/mole, and that of ferrite amounts to $\Delta H = -73.7 \pm 0.7$ kcal/mole. Accordingly, the heat of

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S/189/60/000/006/003/004
B130/B229

Calorimetric determination ...

formation of $MnFe_2O_4$ from the oxides amounts to $\Delta H = -4$ kcal/mole at 413°K. From the heats of formation of the oxides at 298.2°K, mentioned in the literature, $\Delta H_{MnO} = -92.0$ kcal/mole and $\Delta H_{Fe_2O_3} = -196$ kcal/mole, one obtains -292 kcal/mole for the heats of formation of $MnFe_2O_4$ from the elements. ✓ According to H. Kedesdy and A. Tauber (J. Amer. Ceram. Soc., 39, 425, 1956), the formation of $MnFe_2O_4$, according to the equation $2Mn_3O_4 + 6\ Fe_2O_3 = 6\ MnFe_2O_4 + O_2$ starts only above 1000°K, preferably between 1150 and 1250°. An estimation of the oxygen pressure at 1300-1350°K gives:

$$\log P_{O_2} = -\frac{\Delta H_{298}}{4.575\ T} + \frac{\Delta S_{298}}{4.575} = 1.09.$$

P_{O_2} equals 0.12 atm at 1300°K, and 0.42 atm at 1350°K. According to V. G. Vlasov and V. A. Kozlov (ZhFKh, 32, 2608, 1958) who analyzed the dissociation pressure of the reaction $6\ Mn_2O_3 = 4\ Mn_3O_4 + O_2$, $\log P_{O_2} = -11040/T + 8.57$. At 1200°K, the O_2 pressure reaches atmospheric pressure. From this it can be concluded that

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Calorimetric determination ... S/189/60/000/006/003/004
B130/B229

at a lower temperature than 1200°K, Mn_2O_3 is a more stable phase which gives a solid solution with Fe_2O_3, i.e., $Mn_2O_3 \cdot Fe_2O_3$. This is in accordance with data of Kedesdy and Tauber. There are 7 references: 4 Soviet-bloc.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet, Kafedra obshchey khimii (Moscow State University, Department of General Chemistry)

SUBMITTED: June 21, 1959

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SOV/76-33-9-32/37

5(4)

AUTHORS: Skorokhodov, I. I., Nekrasov, L. I., Reznitskiy, L. A., Khomyakov, K. G., Kobozev, N. I. [redacted]

TITLE: On the Problem of the Higher Hydrogen Peroxide and Frozen Radicals . II. Some Notes on the Thermochemistry of the Higher Peroxide H_2O_4 and the Radical HO_2

PERIODICAL: Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 9, pp 2090-2095 (USSR)

ABSTRACT: In a previous paper (Ref 1), calorimetric investigations were described which dealt with the decomposition of the solid condensate (C) obtained by freezing out (at -196°) the steam dissociated in an electric discharge (as a so-called vitreous substance). The two-stage decomposition took place with two exothermic reactions: $HO_2+HO_2 \rightarrow H_2O_2$ (solid)$+O_2$ (1) and H_2O_4(liquid) $\rightarrow H_2O_2$ (liquid)$+O_2$ (2). Detailed checking of the decomposition of (C) (obtained as mentioned above, as well as by a reaction of atomic hydrogen with liquid ozone) indicated that the resultant data need some correction. Visual observations and data obtained by the thermographic method (which

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On the Problem of the Higher Hydrogen Peroxide and Frozen SOV/76-33-9-32/37
Radicals. II. Some Notes on the Thermochemistry of the Higher Peroxide
H_2O_4 and the Radical HO_2

will be presented in a separate article) showed that on the decomposition of (C) the solid phase vanishes at -70 to -60°, the melting being an endothermic process. Livingstone, Ghormley, Zeldes (Ref 8), and A. I. Gorbanev, S. D. Kaytmazov, A. M.Prokhorov, and A. B. Tsentsiper (Ref 9) found that the concentration of the free HO_2-radicals frozen in the (C) amounts to 0.3 per cent by weight only. Hence, it results from (1) that the portion of hydrogen represents only 4% of the total amount of the formed hydrogen, and the first exothermic effect is to be ascribed to the thermal effects of reactions (1) and (2) as well as to the crystallization heat of the amorphous portion of the condensate. The authors analyzed experimental data on the first thermal effect (Table); the crystallization heat of the amorphous (C)-portion amounted to $\Delta H = -2.6$ kcal/mol H_2O_2, which is near the melting point of H_2O_2. It is therefore assumed that the devitrification of (C) is directly connected with the presence of H_2O_2 in the condensate.

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On the Problem of the higher Hydrogen Peroxide and Frozen SOV/76-33-9-32/37
Radicals. II. Some Notes on the Thermochemistry of the Higher Peroxide H_2O_4
and the Radical HO_2

The value $\Delta H = -39$ kcal/mol was obtained for the thermal effect of H_2O_4-decomposition in the liquid phase of O_2 and H_2O_2. Herefrom the authors calculated the formation heat for H_2O_4 (from the components) and the re-formation heat of the HO_2-radicals into H_2O_4. The respective values are $\Delta H = -6$kcal/mol and $\Delta H = -15$ kcal/mol H_2O_4. They are in good agreement with other thermochemical data. The structure H-O-O-O-O-H suggested by A. N. Bakh (Ref 15) is the most suitable for the data obtained. Calculation of the bond energy shows that the energy of the mean O-O bond is found within the range 11-43 kcal if the other bonds are contained in the H_2O_2 molecules according to the corresponding bonds. There are 1 table and 17 references, 8 of which are Soviet.

Card 3/4

On the Problem of the Higher Hydrogen Peroxide and Frozen SOV/76-33-9-32/37
Radicals. II. Some Notes on the Thermochemistry of the Higher Peroxide H_2O_4 and the Radical HO_2

ASSOCIATION: Gosudarstvennyy universitet im. M. V. Lomonosova, Moskva (Moscow State University imeni M. V. Lomonosov)

SUBMITTED: March 28, 1958

Card 4/4

SOV/137-58-9-19781

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 238 (USSR)

AUTHORS: Khomyakov, K.G., Kholler, V.A., Moiseyeva, Ye.I., Reznitskiy, L.A., Levitin, I.Ya.

TITLE: Investigation of Alloys of Magnesium With Cadmium. Communication Nr 2. True Heat Capacity of Alloys of Magnesium With Cadmium Close to Mg_3Cd in Composition and Chemical Association (Issledovaniye splavov magniya s kadmiyem. Soobshcheniye 2. Istinnaya teployemkost' splavov magniya s kadmiyem, primykayushchikh po sostavu i khimicheskomu soyedineniyu Mg_3Cd)

PERIODICAL: Vestn. Mosk. un-ta. Ser. matem., mekhan., astron. fiz., khimii, 1957, Nr 1, pp 123-130

ABSTRACT: The true heat capacity c of Mg-Cd alloys with 61.8-79.7 atom·% Mg was determined at 45-210°C by the method of continuous adiabatic heating. In alloys close to Mg_3Cd in chemical association, the presence of two chemical transformations (70-81° and 145-159°) is noted, corresponding to the process of the disordering of the alloy. The integral heat of the transformations constitutes 0.33 and 0.35 cal/g-atom, respectively.

Card 1/2

Investigation of Alloys of Magnesium With Cadmium. (cont.) SOV/137-58-9-19781

With an increase in the heating rate the temperature of the first transformation increases. The alloy containing 61.8 atom·% Mg has the most sharply defined maximum of C_p. For Communication Nr 1, see Vestn. Mosk. un-ta. Ser. matem., mekhan., astron., fiz., khimii, 1950, Nr 6, pp 43-54.

B.L.

1. Cadmium-magnesium alloys--Specific heat 2. Cadmium-magnesium alloys--Thermodynamic properties

Card 2/2

MALOV, A.N., kand.tekhn.nauk, dotsent; ROMANOVSKIY, V.P., kand.tekhn.
nauk, dotsent, red.; SVERDLOV, M.I., kand.tekhn.nauk, retsenzent;
REZNITSKIY, L.M., kand.tekhn.nauk, red.; SOKOLOVA, L.V., tekhn.red.

[Mechanization and automatization of cold pressing] Mekhanizatsiia i avtomatizatsiia v shtampovochnom proizvodstve. Pod red. V.P. Romanovskogo. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1955. 72 p. (Bibliotechka shtampovshchika, no.10).
(MIRA 12:2)

(Sheet-metal work) (Automatic control)

SERGEYEV, Mikhail Afanas'yevich; YEGOROV, B.A., inzhener, retsenzent; REZNITSKIY, L.M., kandidat tekhnicheskikh nauk, redaktor; POL'SKAYA, R.G., tekhnicheskiy redaktor

[Increasing the labor productivity of mechanics and fitters] Povyshenie proizvoditel'nosti truda pri slesarnykh i sborochnykh rabotakh. Moskva, Gos. nauchn-tekhn. izd-vo mashinostroit. lit-ry, 1956. 287 p.
(Machine-shop practice) (MLRA 9:11)
(Machinery industry)

REZNITSKIY, Lazar' Yakovlevich; BELKIN, V.P., redaktor; SANDLER, N.V., redaktor izdatel'stva; TIKHONOVA, Ye.A., tekhnicheskiy redaktor

[Carrying ores in transport vessels using their capacity to the full] Perevozka rudy na transportnykh sudakh s ispol'zovaniem ikh polnoi gruzopod"emnosti. Moskva, Izd-vo "Morskoi transport," 1956 307 p. (MLRA 9:7)

(Ores--Transportation)

REZNITSKIY, L. Ya.

Reznitskiy, L. Ya. "An approximate method of calculating stability of ceilings with an account of resistance of beams to warping and the effect of the upper floor," Trudy Vses. nauch. inzh.-tekhn. o-va sudostroyeniya, Vol. V, Issue 4, 1948, pp. 75-86

SO: U-3264, 10 April 53 (Letopis 'Zhurnal 'nykh Statey, No. 4, 1949).

REZNITSKIY, Yu.Yu.

Activity of the zemstvo doctors in studying the living conditions of agricultural workers and the evaluation of this by V.I.Lenin. Med. zhur. Uzb. no.10:57-59 '61. (MIRA 14:10)

1. Iz kafedry organizatsii zdravookhraneniya (zav. - dotsent S.G.Ostrovskaya) Tashkentskogo gosudarstvennogo meditsinskogo instituta.

(LENIN, VLADIMIR IL'ICH, 1870-1924)
(AGRICULTURAL WORKERS--DISEASES AND HYGIENE)

L 1676-66 EWT(l)/EWT(m)/EWA(b)-2 RO

ACCESSION NR: AP5017634 UR/0240/65/000/007/0125/0126

AUTHOR: Reznitskiy, Yu. Yu. (Tashkent, Candidate of medical sciences) 37 B

TITLE: Scientific symposium on the toxicity and hygiene of toxic chemicals used in agriculture

SOURCE: Gigiyena i sanitariya, no. 7, 1965, 125-216

TOPIC TAGS: biologic conference, plant disease control, poison effect, horticulture, toxicology, soil, defoliant agent, fertilizer, pesticide

ABSTRACT: The symposium was held December 15-17, 1964 in Tashkent under the sponsorship of the Ministry of Health of the Uzbek SSR and the Uzbek Scientific Research Institute for Sanitation, Hygiene and Occupational Diseases. The participants were medical workers, agricultural specialists, chemists and conservationists. A total of 85 papers was read in 6 sessions. More than 60 toxic chemicals are used in the Uzbek SSR for cotton cultivation alone, and their effects on the human organism are far from understood. The papers dealt with hygiene and prophylaxis in the use of fertilizers and pesticides,

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L 1676-66

ACCESSION NR: AP5017634

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toxicology and determination of toxic chemicals in the environment, soil contamination and the health of agricultural workers, and hygienic conditions for the use of desiccants and defoliants of cotton plants (calcium cyanamide) prior to mechanical picking. Discussions on the use of toxic chemicals in cotton raising aroused the greatest interest. Facts on soil contamination and subsequent contamination of water, animal feed and milk were presented and requirements for training field and laboratory specialists were discussed. A resolution was passed stressing the need for cooperative efforts in developing a health protection and occupational disease prevention program. Orig. art. has: None.

ASSOCIATION: None.

SUBMITTED: 00 ENCL: 00 SUB CODE: LS

NR REF SOV: 000 OTHER: 000

Card 2/2 BP

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

BC

B-II-1

Analysis of technical 5-sulphoanthranilic acid. T. V. [illegible] (Prom. Org. Chim., 1939, 6, 668—670).—10—12 g. (W) of paste, containing 5- (I) and 4-sulphoanthranilic acid (II), anthranilic acid (III), and H_2SO_4, are dissolved in 80 c.c. of 20% aq. NH_3, and the solution is diluted to 250 c.c. The NH_2 content is determined by titration of 25 c.c. of solution with 0·1N-$NaNO_2$ (A c.c.), and the [H_2SO_4] by adding 25 c.c. of 0·05N-$BaCl_2$ to 25 c.c. of solution, and titrating excess of $BaCl_2$ with 0·05N-$K_2Cr_2O_7$ (b c.c.). 10 c.c. of conc. HCl and 1·3A c.c. of 0·1N-KOBr are added to 25 c.c. of solution, and then heated at 50—60° (10 min.), after which excess of KOBr is removed by adding Zn dust, and the [H_2SO_4] is again determined [c c.c. of $K_2Cr_2O_7$; % content of (I) = 21·7(b—c)/W]. 25 c.c. of solution are made acid with AcOH and extracted with Et_2O, and the aq. layer is titrated with 0·1N-$NaNO_2$ [a c.c.; % content of (III) = 13·7(A—a)/W, and of (II) = 21·7(a — b + c)/W].

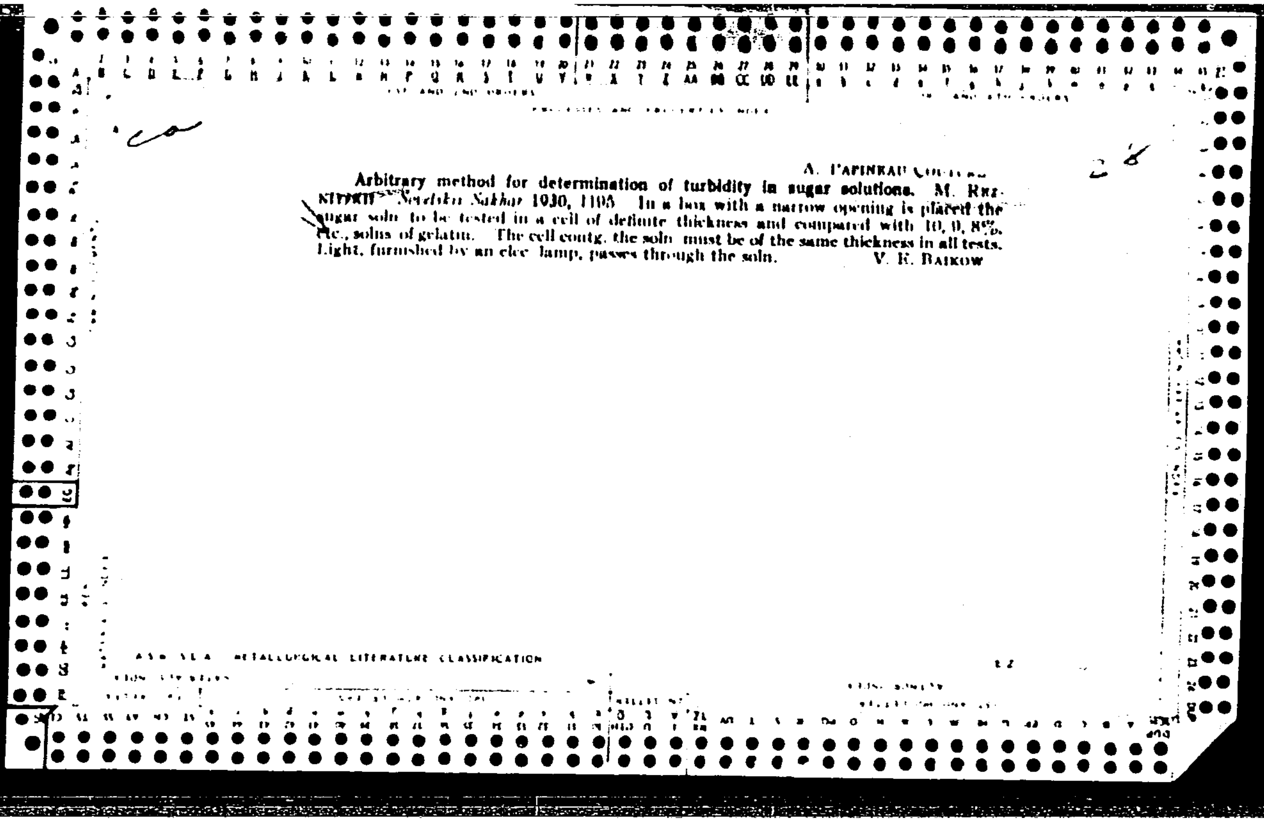
R. T.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

28

Arbitrary method for determination of turbidity in sugar solutions. M. Reznitskii. *Sovetskii Sakhar* 1930, 1105.—In a box with a narrow opening is placed the sugar soln. to be tested in a cell of definite thickness and compared with 10, 9, 8%, etc., solns. of gelatin. The cell contg. the soln. must be of the same thickness in all tests. Light, furnished by an elec. lamp, passes through the soln. V. E. Baikow

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



ca

A. PAPINKAU [illegible]

28

Arbitrary method for determination of turbidity in sugar solutions. M. Reznitskii. *Sovetskii Sakhar* 1930, 1105. In a box with a narrow opening is placed the sugar soln. to be tested in a cell of definite thickness and compared with 10, 9, 8%, etc., solns. of gelatin. The cell contg. the soln. must be of the same thickness in all tests. Light, furnished by an elec. lamp, passes through the soln. V. K. Baikow

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

ALEKSEYEV, N.A.; ASLANOV, A.N.; VASIN, G.D.; VORONINA, Ye.P.; GRIGORENKO, G.P.; GRUSHIN, F.Ye.; DEPARMA, V.N.; DRESVYANNIKOVA, D.F.; DUBININA, K.F.; KITAYEV, I.Ye.; KULIKOV, N.N.; MANUKOV, N.P.; MEL'NIKOV, A.I.; REZNOV, I.P.; PESTRYAKOV, A.I., redaktor; PAVLOVA, M.M., tekhnicheskiy redaktor; SOKOLOVA, N.N., tekhnicheskiy redaktor

[Mechanization and electrification at the All-Union Agricultural Exhibition; 1956 guidebook] Mekhanizatsiia i elektrifikatsiia na Vsesoiuznoi sel'skokhoziaistvennoi vystavke; putevoditel', 1956. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1956. 305 p. (MLRA 10:3)

(Moscow--Agricultural machinery--Exhibitions)

SIMANKOVA, Ludmila, inz.; REZNY, Ludvik

New method of measurement of the quality factor of piezoceramic resonators. Sdel tech 11 no. 12: 445-448 D '63.

ROZNY, M.

Registration and integration of electronic quantities. p. 381.

SDELOVACI TECHNIKA. (Ministerstvo strojirenstvi) Praha, Czechoslovakia.
Vol. 7, no. 10, Oct. 1959.

Monthly List of East European Accession, (EEAI), LC, Vol. 8, No. 12, Dec. 1959
Uncl.

HNATEK, Ladislav, Dr.; REZNY, Pavel, Dr.

Further experience with the treatment of vomiting in pregnancy according to Kobozeva-Jerie method. Cesk. gyn. 22/36 no.1-2:64-67 Feb 57.

1. Zen. por. odd. Obv. nemocnice OUNZ, Praha 6, prednosta Dr. Jan Jerie.

(VOMITING, in pregn.
    ther., Kobozeva-Jerie method (Cz))
(PREGNANCY, compl.
    vomiting, ther., Kobozeva-Jerie method (Cz))

HNATEK, Ladislav, MUDr.; REZNY, Pavel, MUDr.

Iodine pregnancy test. Cesk. gyn. 21-35 no.1:29-33
Feb 56.

1. Zenske a porodnicke oddeleni OUNZ Praha 6, prednosta
prim. Dr. J. Jerie.
(PREGNANCY TESTS,
iodine test. (Cz))
(IODINE,
pregn. test. (Cz))

REZNY, V.

Chrudim members are not idle. p.324.
(Svet Motoru, Vol. 11, No. 11, May 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

[illegible], V.

"Protection of Field Crops During the 1954 Harvest", P. 630, (ZA SOCIALISTICKE ZEMEDELSTVI, Vol. 4, No. 6, June 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

REZNY, V.

"Livestock Insurance in the USSR and in Our Country", P. 817, (ZA SOCIALISTICKE ZEMEDELSTVI, Vol. 4, No. 7/8, July/Aug. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

REZNY, Z.

Quantitative metallographic lattice analysis. p.485.
(Hutnicke Listy, Vol. 12, No. 6, June 1957, Brno, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

DRAPAL, Stanislav, inz.; HORALEK, Vratislav, inz.; REZNY, Zdenek, inz.

Quantitative metallographic lattice analysis. Hut listy 12 no.6:485-491 Je '57.

1. Vyzkumny ustav materialu a technologie, Praha a Vyzkumny ustav tepelne techniky, Praha.

Rezny, Zdenek

CZECHOSLOVAKIA/Solid State Physics - Phase Transitions in Solids E-6

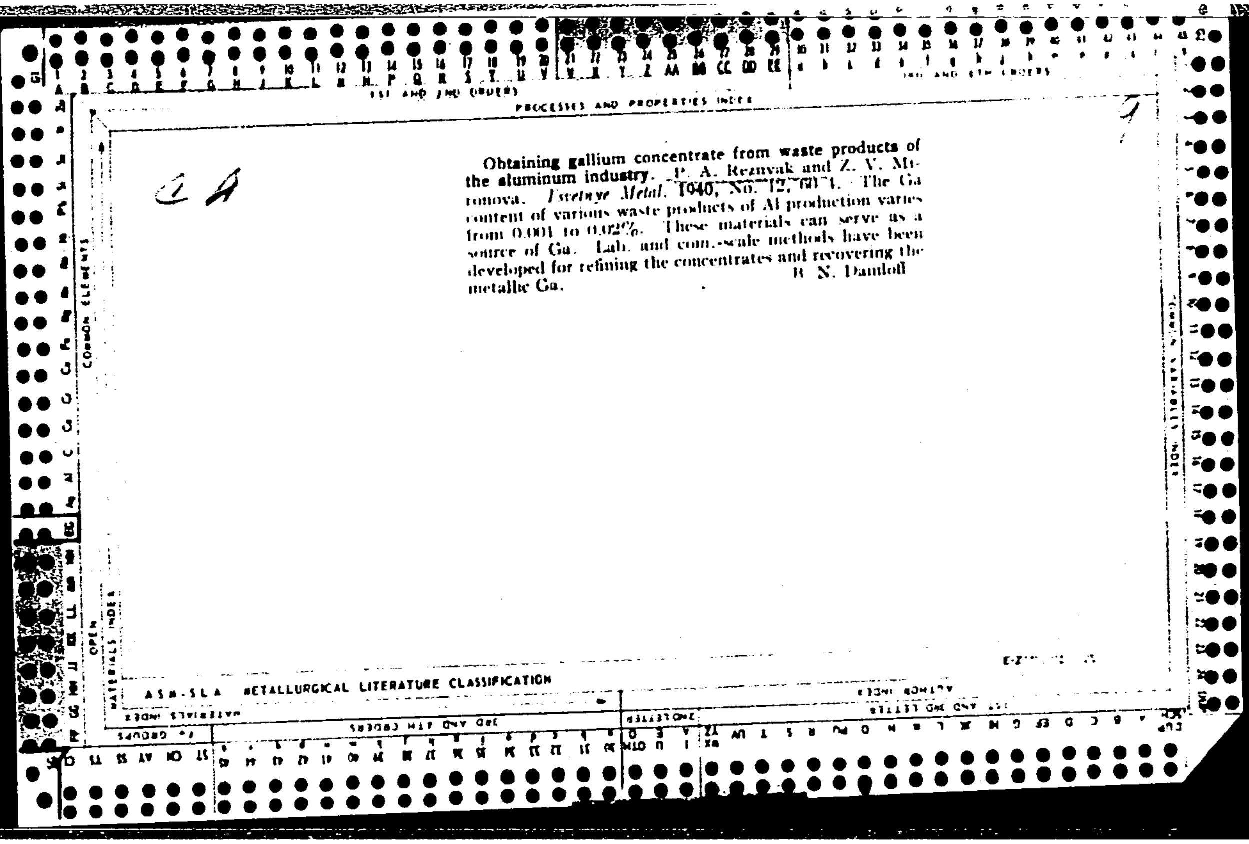
Abs Jour : Ref Zhur - Fizika, No 6, 1958, No 13145

Author : Drapal Stanislav, Horalek Vratislav, Rezny Zdenek
Inst : Not Given
Title : Quantitative Metallographic Grating Analysis

Orig Pub : Hutnicke listy, 1957, 12, No 6, 485-491

Abstract : The authors examine the relation between the number of measurements and the degree of accuracy of the result of quantitative metallographic grating analysis. Comparison of the experimental data with calculations shows that the deduction of the mathematical statistics of the method of random points is applicable to the grating method.

Card : 1/1


PROCESSES AND PROPERTIES INDEX
1ST AND 2ND ORDERS
COMMON ELEMENTS
MATERIALS INDEX
ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

Ga

7

Obtaining gallium concentrate from waste products of the aluminum industry. P. A. Reznyak and Z. V. Mironova. *Tsvetnye Metal.* 1940, No. 12, 60-1. The Ga content of various waste products of Al production varies from 0.001 to 0.02%. These materials can serve as a source of Ga. Lab. and com.-scale methods have been developed for refining the concentrates and recovering the metallic Ga.

R. N. Daniloff

REZNY, A

"Group tests of statistical hypotheses by means of two control limits."

APLIKACE MATEMATIKY, Praha, Czechoslovakia, Vol. 4, no. 4, 1959

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, Sept 59
Unclas

CARNIOL, Bohdan; REZNY, Ludvik

Use of the new contactless metal-film-thickness-measuring instrument. Sdel tech 10 no.9:326-329 S '62.

3545

15550,

Z/014/62/000/009/001/002
E192/E382

AUTHORS: Carniol, Bohdan and Režný, Ludvík

TITLE: Uses of a new electronic thickness gauge for metal films

PERIODICAL: Sdělovací technika, no. 9, 1962, 326 - 329

TEXT: The thickness gauge described is based on the principle of determining the change in the damping coefficient of a resonant circuit which is excited by means of periodically repeated rectangular pulses. For this purpose the peak and the average values of the free oscillations of the circuits are compared by means of suitable detectors. When a metal film is placed in the vicinity of the coil of the resonant circuit, the equivalent circuit of the film can be regarded as consisting of an inductance L_2 and a resistance r_2, which are coupled to the resonant circuit by means of a mutual inductance M. The additional inductance and the resistance introduced into the resonant circuit are thus given by:

Card 1/4

Z/014/62/000/009/001/002
E192/E382

Uses of a new .....

$$L_c = -M \cdot \frac{r_2^2 + \omega^2(L_2^2 + L_2M)}{r_2^2 + \omega^2 \cdot L_2^2} ;$$

$$r_c = r_2 \cdot \frac{\omega^2 M^2}{r_2^2 + \omega^2 L_2^2} .$$

The resistance r_c as a function of r_2 has a maximum $r_{c\ max} = \omega M^2/2L_2$ since $r_2 = k/d$, where k is a constant and d is the thickness of the film; the normalized additional damping resistance can be expressed as:

$$\frac{r_{c\ max}}{r_c} = \frac{1}{2}\left(\frac{d_{Krit}}{d} + \frac{d}{d_{Krit}}\right)$$

Card 2/4

Z/014/62/000/009/001/002
E192/E382

Uses of a new ....

where d_{crit} is the thickness of the film corresponding to $r_{c\ max}$. The above equation represents the universal characteristic of the instrument. Two instruments (types IT 021-1 and IT 021-2) operating on this principle are described. The first instrument has a tuned circuit operating at 500 kc/s and is designed for measuring thicknesses in the micron range. The second gauge covers the range from 0.1 to 8 mm and can be used on copper, aluminium, various steels and other metals. The instruments are provided with 3 different pick-ups. The first of these is a pick-up coil of 110 turns of litz wire, wound on a bakelite former with an external diameter of 1.5 mm, furnished with a ferrite core, 7 x 20 mm. The second pick-up is similar but considerably smaller. The third pick-up has 2 000 turns of 0.5 mm wire, wound around a ferrite rod, 20 x 20 x x 80 mm. The film to be measured is usually deposited onto insulated plates of specified dimensions. These are placed on the pick-ups in such a way that their distance from the measuring coil is constant. The instrument can also be used for measuring

Card 3/4

Z/014/62/000/009/001/002
E192/E382

Uses of a new ....

the thickness of the insulating material by reversing the insulating plate on which the film is deposited.
There are 11 figures.

Card 4/4

REZNYAKOV, A. A.

REZNYAKOV, A. B.: "The combustion of a powdered-carbon flame (as a polydispersion system)". Moscow, 1955. Acad Sci USSR. Power Engineering Inst imeni G. M. Krzhizhanovskiy. (Dissertations for the Degree of Doctor of Technical Sciences.)

So: Knizhnaya letopis' No. 49, 3 December 1955. Moscow.

REZNYAKOV, A. B.

Reznyakov, A. B. – "Comparison of radiant heat exchange phenomena in reverberatory smelting furnaces," Vestnik Akad. nauk Kazakh SSR, 1948, No. 12, p. 54-62 --- Summary in Kazaldn --- Bibliog: 10 items

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

[illegible]

[illegible], A. B. "The power situation of Western Kazakhstan and its prospects of development" (From a speech at the 4th (Gur'yev) session of the Academy of Sciences of the Kazakh SSR), Vestnik Akad. nauk Kazakh. SSR, 1949, No. 2, p. 107-11.

SO: U-4041, 10 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 12, 1949).

REZNYAKOV, A., kandidat tekhnicheskikh nauk.

First results of cooperation. Vest.AN Kazakh.SSR 10 no.9:64-66 S '53.
(MLRA 6:11)

(Copper--Metallurgy) (Smelting)

REZNYAKOV, A.B.

Temperature distribution through a reverberatory copper smelter. Izv.AN Kazakh SSR. Ser.energ.no.6:50-58 '54. (MLRA 9:4)
(Combustion) (Smelting furnaces)

REZNYAKOV, A.B.

Radiant heat exchange in a reverberatory copper smelter.
Izv.AN Kazakh SSR Ser.energ.no.6:59-66 '54. (MLRA 9:4)
(Heat--Radiation and absorption) (Smelting furnaces)

REZNYAKOV, A.B., kandidat tekhnicheskikh nauk.

Toward the problem of the electrification of virgin and waste lands of Kazakhstan. Vest. AN Kazakh. SSR. 11 no.6:65-70 Je '54.
(MLRA 7:8)

(Kazakhstan--Rural electrification) (Rural electrification--Kazakhstan)

Name	REZNYAKOV, Aleksandr Borisovich
Dissertation	Jet Combustion of Pulverized Coal (as a Polydispersing System)
Degree	Doc Tech Sci
Affiliation	Inst of Power Engineering, Acad Sci KazSSR
Defense Date, Place	23 Feb 56, Council of the Power Engineering Inst imeni Krzhizhanovskiy, Acad Sci Ussr
Certification Date	29 Dec 56
Source	BMVO 7/57

REZNYAKOV, A. B.

3

Chem

Theory and means of intensification of physicochemical processes in treatment of suspended finely divided substances. A. B. Reznyakov. *Vestnik Akad. Nauk Kazakh. S.S.R.* 12, No. 11, 76-81(1956)(in Russian).—A theoretical discussion of processes of motion and chem. reactions among finely divided suspended particles. Typical equations are summarized. G. M. Kosolapoff

PM

PHASE I BOOK EXPLOITATION SOV/5290

Soveshchaniye po prikladnoy gazovoy dinamike. Alma-Ata, 1956

Trudy Soveshchaniya po prikladnoy gazovoy dinamike, g. Alma-Ata, 23-26 oktyabrya 1956 g. (Transactions of the Conference on Applied Gas Dynamics, Held in Alma-Ata, 23-26 October 1956) Alma-Ata, Izd-vo AN Kazakhskoy SSR, 1959. 253 p. Errata slip inserted. 900 copies printed.

Sponsoring Agency: Akademiya nauk Kazakhskoy SSR. Kazakhskiy gosudarstvennyy universitet imeni S.M. Kirova.

Editorial Board: Resp. Ed.: L.A. Vulis; V.P. Kashkarov; T.P. Leont'yeva and B.P. Ustimenko. Ed.: V.V. Aleksandriyskiy. Tech. Ed.: Z.P. Rorokina.

PURPOSE: This book is intended for personnel of scientific research institutes and industrial engineers in the field of applied fluid mechanics, and may be of interest to students of advanced courses in the field.

Transactions of the Conference (Cont.) SOV/5290

COVERAGE: The book consists of the transcriptions of 31 papers read at the conference on gas dynamics which was convened under the initiative of the Kazakhskiy gosudarstvennyy universitet imeni S.M. Kirova (Kazakh State University imeni S.M. Kirov) and the Institut energetiki Akademii nauk Kazakhskoy SSR Institute of Power Engineering of the Academy of Sciences Kazakhskaya SSR) and held October 23-26, 1956. Three branches of applied gas dynamics were discussed, namely: jet flow of liquids and gases, aerodynamics of furnace processes, and the outflow of liquids. The practical significance of the "Transactions" of the conference consists in the adaptation of theory to methods of technical computation and measuring methods related to industrial furnaces and other industrial processes in which aerodynamic phenomena play a predominant role. Eight papers read at the Conference are not included in this collection for various reasons. The authors of the missing papers are: L.D. L'vov (Thermal and Aerodynamic Characteristics of Pulverized Coal Flame Burners) and A.A. Goleyevskiy (Outlines and Physical Models of the Jet Motion Mechanics of Fluids), N.I. Akatnov, Ye. P. Bogdanov, S.V. Bukhman, T.K. Mironenko, A.B. Reznyakov, and G.V. Yakubov. L.G. Loytsyanskiy is mentioned as being in charge of a department of the Kazakh State University, and I.D. Malyukov, Candidate of Physical and Mathematical Sciences, Docent, as a member of the same university. References are found at the end of

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Antonova, G.S. Investigating Turbulence Characteristics of a Free Nonisothermic Jet and an Open Flame 45

Kashkarov, V.P. [Candidate of Physical and Mathematical Sciences]. On Parallel and Contrary Motion of Two Uniform Flows of Compressible Gas 55

Transactions of the Conference (Cont.) SOV/5290

Leont'yeva, T.P. [Candidate of Technical Sciences]. Expansion of Axially Symmetrical Jets in Parallel and Contrary Flows 63

Bukhman, S.V. Regularity of Motion and Combustion of Coal Particles 69

Nazarchuk, M.M., and N.I. Pol'skiy. On the Crisis in the Viscous Flow of Gas in a Plane Parallel Channel 69

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Chebyshev, P.V. [Vsesoyuznyy elektrotekhnicheskiy institut (All-Union Electrotechnical Institute)]. Electrothermoanemometers and Their Use in Investigating Nonisothermic Gas Flows 85

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Trofimenko, A.T. Investigating a Semirestricted Turbulent Jet 100

Akatnov, N.I. Survey of the Works of the Department of Hydroaerodynamics of the Leningrad Polytechnical Institute imeni Kalinin on the Jet Theory 107

Shepelev, S.F., and S. Tsoy. Plane Jet in a Cross Section of an Air Conduit 108

Bespalova, V.G. Use of Hydrointegrators For Solving Jet Problems 115

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Katsnel'son, B.D. [Candidate of Technical Sciences; Docent; Tsentral'nyy kotloturbinnyy institut imeni Polzunova, Leningrad (Central Turbine and Boiler Institute imeni Polzunov, Leningrad)]. Some Problems of the Aerodynamics of Furnace Cyclone Chambers and of the Combustion of Coal Powder Pulverized Coal 125

Ustimenko, B.P. Candidate of Technical Sciences, Aerodynamics of an Involute Jet and of a Cyclone Chamber 134

Volkov, Ye. V. Some Aerodynamic Problems of a Two-Phase Flow in a Cyclone Furnace 142

Tonkonogiy, A.V., and I.P. Basina. On the Problem of the Working Process in a Cyclone Chamber 152

Yakubov, G.V. Generalizing Aerodynamic Laws of Cyclone Chambers 158

Contents of the Discussion in Brief 158

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Bernyukov, A.B. [Doctor of Technical Sciences; Institut energetiki (Institute of Power Engineering)]. Uniflow Flame of Pulverized Coal 160

Telegin, A.S. Regularities of Gas Flame Burning 160

Yershin, Sh. A. Aerodynamics of a Turbulent Gas Flame 168

Kokarev, N.I. [Candidate of Technical Sciences; Ural'skiy politekhnicheskiy institut imeni Kirova, Sverdlovsk (Ural Polytechnical Institute imeni Kirov, Sverdlovsk)]. Industrial Testing of New Gas Heads of Open Hearth Furnaces 178

Bogdanov, Ye. P. On the Thermal Regime of the Gasification Process 185

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Zhulayev, P. Zh. [Candidate of Technical Sciences; Docent]. Survey of Work on Hydrodynamics Done by the Institut Energetiki AN KazSSR (Institute of Power Engineering of the Academy of Sciences Kazakhskaya SSR) 187

Kovalenko, S.V. (Deceased). Basic Problems of Flow Thermodynamics in Real Boundary Conditions 197

REZNYAKOV, A.B.

5(1) PHASE I BOOK EXPLOITATION SOV/1659

Akademiya nauk Kazakhskoy SSSR, Alma-Ata.

Issledovaniye fizicheskikh osnov rabochego protsessa topok i pechey (Investigation of the Physical Bases of Operational Processes of Combustion Chambers and Furnaces) Alma-Ata, Izdat AN Kazakhskoy SSR, 1957. 369 p. 800 copies printed.

Additional Sponsoring Agency: Alma-Ata. Kazakhskiy gosudarstvennyy universitet im. S.M. Kirova.

Ed. (Title page): L.A. Vulis, Doctor of Technical Sciences, Professor; Ed. (Inside book): D.M. Glazyrina; Tech. Ed.: Z.P. Korokina.

PURPOSE: This book is intended for a wide circle of scientists and industrial engineers.

COVERAGE: The twenty-nine articles of this collection report on experimental and theoretical investigations of different physical phenomena which constitute an integral part of the complex operational processes of modern combustion engineering equipment, and also, the entire process applicable to different types of burners and furnaces (cyclone combustion chambers, muffle burners, burners with automatic stokers, etc.). Articles in Part I treat laminar and turbulent jets of liquids and compressible gas. Part II reviews methods of modeling combustion processes (light, hydraulic and electrical), enthalpy, temperature measurement, calorimetry, etc. Part III relates to different problems and theories of fuel combustion and special operational features of combustion and furnace equipment. No personalities are mentioned.

Vulis, L.A. Synopsis of the Elementary Theory of Heat Conditions During Combustion 321

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Tonkonogiy, A.V., and I.P. Basina. The Burning and Separation of Fuel Particles in a Cyclone Combustion Chamber 407

Teplitskiy, M.G. The Sharp Blast in Combustion Chambers 420

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Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 3 (USSR)

AUTHOR: Reznyakov, A. B.

TITLE: The Combustion Process in a Pulverized-coal Flame (Goreniye pyleugol'nogo fakela)

PERIODICAL: V sb.: Issled. fiz. osnov rabochego protsessa topok i pechey. Alma-Ata, AN KazSSR, 1957, pp 361-379

ABSTRACT: An examination was made of the theory of combustion of a pulverized-coal flame jet as a multiple dispersion process, for application in reverberatory furnaces. The burning of a single particle of natural coal is reduced to the burning of a pure C particle owing to the shortness of time spent on ignition and evolution of the volatile matter and the practically complete breaking up of the coal into separate particles of combustible matter and ash during the grinding. It is assumed that the burning of the volatile matter proceeds parallel with the burning of the C. The burning of particles in the pulverized-coal flame jet proceeds in the diffusion zone and, at a medium temperature level and a normal excess-air coefficient, yields approximately equal amounts of CO and CO_2. Increase of temperature or decrease of

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The Combustion Process in a Pulverized-coal Flame

excess of air promotes a greater yield of CO. The law for the burning-out of the flame jet is similar to the law of the initial distribution of the particles according to size; in the course of the process the incomplete combustion due to mechanical causes decreases in the same proportion as the residue on a screen decreases with the increase in mesh size. Equations defining the burning out of the pulverized-coal flame jet and its exchange of heat with the surrounding medium are adduced. In order to verify the theoretical conclusions investigations were carried out on the combustion in pulverized-coal flames of Lenger lignite and Karaganda hard coal on a furnace-fire-chamber stand 6 m long, 1.25 m wide, and 1.2 m high, which was equipped with an air preheater and a pulverizing mill. To measure the incomplete combustion due to mechanical causes gas analysis and sampling of the burning dust were used; the latter method could not be carried out because of a high amount of moisture in the coal. The temperature of the flame jet was measured by thermoelectric pyrometry and by the method of two colored light filters. Comparison of the theoretical equations with the experimental data obtained by the author and other investigators indicated that the theoretical equations describe the experimental relationships satisfactorily; the best agreement is obtained when the formation of CO and CO_2 during combustion is assumed to be in equal amounts.

G. G.

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[illegible] 57

REZNYAKOV, A.B., doktor tekhnicheskikh nauk; [illegible], V.V., kandidat tekhnicheskikh nauk.

Inventors are expecting Committee's assistance in introducing inventions. Izobr.v SSSR 2 no.5:[illegible] My '57. (MIRA 10:7)
(Inventions)

CHOKIN, Sh.Ch.; REZNYAKOV, A.B.; MAYZEL', S.Ya.

Establishing a unified power system of Kazakhstan. Vest.AN Kazakh. SSR 13 no.9:3-13 S '57. (MIRA 10:10)
(Kazakhstan--Electric power distribution)

REZNYAKOV, Aleksandr Borisovich; KNORRE, G.F., doktor tekhn.nauk, prof., zasluzhennyy deyatel' nauki, red.; ZAPLAVNOV, O.V., red.; ROROKINA, Z.P., tekhn.red.

[Combustion of a coal dust flame as a polydispersion system] Gorenie pyleugol'nogo fakela kak polidispersnoi sistemy. Alma-Ata, Izd-vo Akad.nauk Kazakhskoi SSR, 1958. 170 p. (MIRA 11:7)

(Combustion)

REZNYAKOV, A B.

8(6) PHASE I BOOK EXPLOITATION SOV/2083

Kalachev, Nikolay Stepanovich, Saveliy Yakovlevich Mayzel', Aleksandr Borisovich Reznyakov, and Shafik Chokinovich Chokin

Energetika Kazakhstana (Power Resources of Kazakhstan) Alma-Ata, Izd-vo AN Kazakhskoy SSR, 1958. 222 p. Errata slip inserted. 1,300 copies printed.

Sponsoring Agency: Akademiya nauk Kazakhskoy SSR. Institut energetiki.

Ed. (Title page): Sh. Ch. Chokin, Academician, Kazakh SSR Academy of Sciences; Eds. (Inside book): L. S. Rzhondkovskaya and Yu. N. Kuznetsov; Tech. Ed.: P. F. Alferova.

PURPOSE: This book is intended for engineers, geographers, economists, and other persons interested in the potential and present power resources of the Kazakh Republic.

COVERAGE: The monograph consists of two parts: The first, based on factual data, reviews in detail the fuel, hydro and wind-power resources of Kazakhstan, the degree to which they have been studied, their distribution throughout the territory, their quantitative and qualitative characteristics, and also, their

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prospective utilization. The second part treats of general principles for developing the power resources of the Republic as a whole and that of the four principal power-producing regions. Considerations for creating and developing a unified power system for Kazakhstan are presented and a short historical resume of the development of Kazakh power resources up to 1957 is included. The economic maps comprising Figures (3) to (13) show: (3) the distribution of potential power resources (4) coal and lignite fields (5) water-power resources and their distribution into water-supply zones (6) regionalization according to frequency and mean annual average velocities of winds (7) variation of utilization coefficients of installed capacities and expected standstills of wind-power units (8) regionalization of power resources (9) map of water-power utilization for the northern region (including existing and planned dams, potential hydroelectric stations, pipelines, etc.) (10) Eastern power region (legend similar to (9)), (11) Northern power region (legend similar to (9)), (12) Regionalization plan based on the degree of agricultural electrification (kw/km^2) and (13) prospective plan for inter-power-system connections. The authors thank Academician V. P. Zakharov and Candidates of Technical Sciences V. A. Kiktenko and V. V. Favorskiy.

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Power Resources of Kazakhstan

There are 211 Soviet references.

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REZNYAKOV, A.B., doktor tekhn. nauk

Means of increasing production in the nonferrous metals industries. Vest. AN Kazakh. SSR 14 no.11:42-50 N '58. (MIRA 11:12)
(Metal industries)

Reznyakov, A.B.

10(2) [illegible]

Sov[illegible] [illegible]

Trudy ([illegible]) [illegible]

Sponsoring Agency: [illegible] universitet imeni S.M. Kirova.

Ed.: V.V. [illegible]; Tech. Ed.: Z.P. [illegible]; Editorial Board: L.A. Vulis (Resp. Ed.); V.P. Kashkarov, T.P. Leont'yeva, and B.P. Ustimenko.

PURPOSE: This book should be of interest to scientists and engineers working on problems of applied gas dynamics and may be of use to students.

COVERAGE: This book presents reports and brief summaries of the discussions which took place at the Conference on Applied Gas Dynamics in Alma-Ata in October 1956. The conference was subdivided into three areas of applied gas dynamics: jet flows of fluids and gases, the aerodynamics of heating processes, and the discharge of a fluid. The practical value of the "Transactions of the Conference" consists in the development of theory, methods of technical calculation and methods for systematic measurement applied to heating, furnace, and other industrial processes for which, in most cases, aerodynamic phenomena are decisive factors.

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REZNYAKOV, A.B.

Theory of oxidized smelting in suspended state. Izv.AN Kazakh.
SSR.Ser.energ. no.1:72-78 '58. (MIRA 12:5)
(Metallurgy)

16(0); 28(5) PHASE I BOOK EXPLOITATION SOV/3378

Reznyakov, Aleksandr Borisovich, Doctor of Technical Sciences, Professor

Metod podobiya; sushchnost' i prakticheskoye primeneniye (Method of Similarity; Nature and Practical Applications) Alma-Ata, Izd-vo AN Kazakhskoy SSR, 1959. 150 p. 2,500 copies printed.

Sponsoring Agency: Akademiya nauk Kazakhskoy SSR. Institut energetiki.

Resp. Ed.: L.A. Vulis, Doctor of Technical Sciences, Professor; Ed.: F. Ya. Osadchiy; Tech. Ed.: Z.P. Rorokina.

PURPOSE: This book is intended for engineering and technical workers, physicists, chemists, and students taking the appropriate courses who are interested in learning and applying the method of similarity.

COVERAGE: This book is a practical handbook on the similarity method and contains fundamentals (without proofs), mathematical devices, and detailed examples of the practical application of the similarity method to the solution of important problems in the applied

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hydrodynamics of hydrotechnical and thermal devices, heat exchange and the applied physical chemistry of furnace, metallurgical and chemical-technological processes. The book also contains a list of basic literature on these problems. The author thanks Professor L.A. Vulis for his help during editing of the book. There are 49 references, all Soviet.

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Principles of the intensification of metallurgical processes in nonferrous metallurgy. Izv. AN Kazakh. SSR. Ser.energ. no.1:101-109 '59. (MIRA 12:11)

(Nonferrous metals--Metallurgy)

BASINA, T.P.; VDOVENKO, M.I.; KURMANGALIYEV, M.R.; REZNYAKOV, A.B.;
TONKONOGIY, A.V.

Iron ore treatment flow sheet with the use of the cyclone method.
Izv. AN Kazakh. SSR. Ser.energ. no.2:97-101 '59.
(MIRA 12:7)

(Iron ores) (Separators (Machines))